

**BIRLA INSTITUTE OF TECHNOLOGY, MESRA, RANCHI
(END SEMESTER EXAMINATION)**

**CLASS: B.Sc
BRANCH: A&M**

**SEMESTER : IV
SESSION : SP/2025**

SUBJECT: AN216 WEB TECHNOLOGY

TIME: 3 Hours

FULL MARKS: 50

INSTRUCTIONS:

1. The question paper contains 5 questions each of 10 marks and total 50 marks.
 2. Attempt all questions.
 3. The missing data, if any, may be assumed suitably.
 4. Before attempting the question paper, be sure that you have got the correct question paper.
 5. Tables/Data hand book/Graph paper etc. to be supplied to the candidates in the examination hall.
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		CO	BL
Q.1(a)	a) Explain the difference between the Internet and the World Wide Web. b) What is a web browser and how does it communicate with a web server?	[5] 1	2
Q.1(b)	Define the following terms with suitable examples: i) URL ii) Protocol iii) E-Commerce Also list two common internet services used today.	[5] 1	3
Q.2(a)	Write an HTML page using at least five different tags to display a personal profile. Include headings, paragraph, and an image.	[5] 2	1
Q.2(b)	Explain the types of CSS with examples.	[5] 4	2
Q.3(a)	What is XML? Write the rules for a well-formed XML document.	[5] 3	3
Q.3(b)	What is DTD in XML? Explain the concept of a valid XML document.	[5] 4	3
Q.4(a)	Explain how JavaScript is used in web pages and list any two advantages.	[5] 4	5
Q.4(b)	Compare and contrast Web Server and Web Browser.	[5] 1	3
Q.5(a)	Explain the different types of HTML lists with examples: <ul style="list-style-type: none">• Ordered list• Unordered list• Definition list	[5] 4	6
Q.5(b)	What is a protocol? Explain the working of HTTP and HTTPS.	[5] 1	5

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